

Azmain Mahtab Seam

Fullstack Engineer

📍 Dhaka 🌐 www.chonkdev.com

✉ azmainmahtab@protonmail.com 📞 +88 01868-585448 🌐 github.com/AzmainMahtab 📺 [in/azmain-mahtab-seam](https://www.linkedin.com/in/azmain-mahtab-seam)

SUMMARY

Fullstack Engineer specializing in high-performance backends and scalable web applications. Proficient in the full software development lifecycle, from designing reliable event-driven microservices in TypeScript, Python and Go to crafting intuitive frontends with Vue.js. Dedicated to building secure, maintainable, and enterprise-ready solutions with a focus on system-wide performance and data integrity.

SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, Go
- **Frameworks:** Django, FastAPI, NestJS, Vue, Nuxt
- **Databases:** PostgreSQL, MySQL, SQLite, Redis
- **Others:** Kafka, NATS, Docker, Nx, Git, Kong, Linux, WebSockets, Celery

WORK EXPERIENCE

Defined Solution

Feb 2024 – Apr 2026

Backend Developer

Rampura, Dhaka

- Contributed to the architectural design using Hexagonal Architecture and DDD to ensure long-term system maintainability.
- Translate complex business requirements into scalable technical specifications through close stakeholder collaboration.
- Oversee end-to-end API development and third-party integrations with a focus on high-performance and security.
- Mentor junior developers through rigorous code reviews to foster a culture of clean code and technical excellence.
- Optimize multi-tenant database schemas and queries to reduce latency for high-concurrency enterprise applications.

TechTrio Solutions

Nov 2022 – Dec 2023

Full Stack Developer

Bashundhara R/A, Dhaka

- Owned the full SDLC for large-scale ERP and e-commerce solutions from database modeling to production.
- Engineered critical financial and inventory modules ensuring 100% data integrity across multi-branch environments.
- Partnered with project managers to establish technical milestones and consistently deliver code within sprint goals.
- Executed legacy system migrations and performance refactoring to significantly improve software responsiveness.

PROJECTS

Microservice Food Delivery Platform

- Worked on this high-performance backend using a microservices pattern with **NestJS**, **TypeScript** and **Go**.
- Made use of gRPC to establish fast and robust service to service communication
- Implemented an event-driven system using **Kafka** to stream events.
- Integrated **Redis Sorted Sets** to power a real-time rider leaderboard with bi-weekly automated resets.
- Built an asynchronous DB logging system to maintain audit trails without impacting API response times.

Stack: TypeScript, Go, Nest, Nx, Docker, PostgreSQL, Redis, Prisma, Kafka, gRPC, AWS S3, Azure

ERP Solution

- Handled Complex business logics for the ERP
- Took complete ownership of critical modules of the ERP (Procurement, Accounts, Fixed Asset, and Journals).
- This ERP is used across 9 sister concerns of that enterprise.
- Had to make advanced database queries to keep the whole software experience snappy. Utilizing **Django ORM** to its fullest potential.
- This whole project was built using **Modular Monolith** architecture.

Stack: Python, JavaScript, Django, Django REST Framework, Django ORM, Vue, Docker, PostgreSQL, Celery

International Logistics & Tracking Engine

- Developed a robust parcel delivery and tracking solution for a South African provider.
- Implemented a full rack management system for warehouse optimization, handling 3,000+ daily tracking events asynchronously.
- Optimized sorting logic using background workers to ensure real-time updates for handheld warehouse devices.

Stack: Python, JavaScript, Django, Django REST Framework, Django ORM, Vue, Docker, MySQL, Celery

Sales ERP (Enterprise Fashion Retail)

- Engineered a centralized inventory and POS management system for a leading clothing brand.
- Synchronized real-time stock data across national warehouses and retail outlets to prevent overselling and optimize stock levels.
- Smooth inventory transfer between different branches and warehouses.
- Handling sales from multiple sales channels (E-commerce, F-commerce, Whatsapp, Instagram)
- Invoice generation. Procurement, Inventory management, Accounts and Budgeting are some key modules of this ERP that i took ownership of.

Stack: Python, JavaScript, Django, Django REST Framework, Django ORM, Vue, Docker, MySQL, Celery

Real Estate CRM Solution

- Delivered a custom CRM with modular pipelines for lead tracking and property management.
- Implemented automated notification triggers and status update workflows to streamline the sales cycle.
- Kept track of all the agents and their KPI.

Stack: Python, TypeScript, Django, Django REST Framework, Django ORM, Nuxt, Docker, PostgreSQL, BullMQ, Redis

Hotel Management System

- This was a legacy system using older versions of django and Vue2.
- The main challenge was implementing new features without breaking the old system.
- had to work on updating the whole system

Stack: Python, JavaScript, Django, Django REST Framework, Django ORM, Vue, Docker, MySQL

EDUCATION

North South University

BSc in Computer Science and Engineering

Apr 2016 – Present